

IN THE SPECIFICATION

**Please amend the paragraph at page 1, lines 22-25, as follows:**

The use of the MPEG2 compression scheme can realize high compression efficiency and favorable image quality by assigning a code amount (bit rate), for example, of 4 - 8 Mbps for a standard-resolution interlaced scanning image having  $720 \times 480$  pixels or of 18 - 22 Mbps for a high-resolution interlaced scanning image having  $1920 \times 1088$  1080 pixels.

**Please amend the paragraph at page 19, line 22, as follows:**

The rate control circuit 32 uses different values 0 – [[52]] 51 as the quantizing parameter QP.

**Please amend the paragraph at page 20, lines 28-29, as follows:**

The avg\_act in the following (3-4) (3-5) is a mean value of  $act_j$  in the pictures coded immediately before.

**Please amend the paragraph on page 15, line 22, as follows:**

$$act_j = 1 + \min_{sblk=1,8} (\var_sblk) \quad act_j = 1 + \min_{sblk=1,8} (\var_sblk) \quad \dots \quad (2-17)$$

**Please amend the paragraph on page 15, line 23, as follows:**

$$\var_sblk = \frac{1}{64} \sum_{k=1}^{64} (P_k - \bar{P})^2 \quad var\_sblk = \frac{1}{64} \sum_{k=1}^{64} (P_k - \bar{P})^2 \quad \dots \quad (2-18)$$

**Please amend the paragraph on page 20, line 20, as follows:**

$$\var_sblk = \frac{1}{64} \sum_{k=1}^{64} (P_k - \bar{P})^2 \quad var\_sblk = \frac{1}{64} \sum_{k=1}^{64} (P_k - \bar{P})^2 \quad \dots \quad (3-2)$$

**Please amend the paragraph on page 20, line 25, as follows:**

$$\underline{\text{act}_j = 1 + \min_{sblk=1,4} (\text{var\_sblk})} \quad \underline{act_j = 1 + \min_{sblk=1,4} (\text{var\_sblk})} \quad \cdots \quad (3-4)$$

**Please amend the paragraph on page 23, line 25, as follows:**

$$\underline{\text{act}_j = 1 + \text{var\_sblk}} \quad \underline{act_j = 1 + \text{var\_sblk}} \quad \cdots \quad (3-7)$$

**Please amend the paragraph on page 23, line 26, as follows:**

$$\underline{\text{var\_sblk} = \frac{1}{256} \sum_{K=1}^{256} (P_k - \bar{P})^2} \quad \underline{\text{var\_sblk} = \frac{1}{256} \sum_{K=1}^{256} (P_k - \bar{P})^2} \quad \cdots \quad (3-8)$$

**Please amend the paragraph on page 24, line 31, as follows:**

$$\underline{\text{act}_j = 1 + \min_{sblk=1,16} (\text{var\_sblk})} \quad \underline{act_j = 1 + \min_{sblk=1,16} (\text{var\_sblk})} \quad \cdots \quad (3-10)$$

**Please amend the paragraph on page 25, line 4, as follows:**

$$\underline{\text{act}_j = 1 + \min_{sblk=1,4} (\text{var\_sblk})} \quad \underline{act_j = 1 + \min_{sblk=1,4} (\text{var\_sblk})} \quad \cdots \quad (3-11)$$